

## APPENDIX C

### Implementation Monitoring Form (3/2/15)

Forest: Eldorado National Forest	District: Pacific	County: El Dorado
Observers: Vince Pacific, Tim Merten, Diana Erickson, Blake Engelhardt		Date: 6/12/15 Time: 1430
Number and/or name of road or trail: Barrett 4WD		UTM:
Meadow or Aquatic Feature reference number: #6		

Current Conditions	
Current weather:	sunny, 80s
Has it rained or has snow melted recently? If so, describe event (estimated rainfall amount, duration of storm, etc.):	
rained ~ 1 week ago, moderate amount + duration	
Wetness of meadow or aquatic feature	<input type="checkbox"/> <b>Very wet</b> (Standing or flowing surface water present in all or a large portion of feature). <input type="checkbox"/> <b>Moderately wet</b> (Surface water in part of feature and/or ground surface wet in most of feature). <input checked="" type="checkbox"/> <b>Slightly wet</b> (No surface water. Ground surface wet in part of feature). <input type="checkbox"/> <b>Mostly dry</b> (No surface water. Ground surface dry in most of feature). <input type="checkbox"/> <b>Dry</b> (No surface water. Ground surface dry in entire feature).

Assessment of Corrective Action	
<b>What corrective actions were implemented?</b> Select and fill out appropriate sections below. <input checked="" type="checkbox"/> Rolling dip/waterbar <input checked="" type="checkbox"/> Sediment basin/trap <input checked="" type="checkbox"/> Gravel/rock reinforcement <input checked="" type="checkbox"/> Drivable ford    _____ Trail re-route    _____ other (describe in section below)	
<b><i>Rolling dip/waterbar</i></b> Is water effectively routed off the trail? <input checked="" type="checkbox"/> Yes    _____ No Are rills or gullies present? _____ Yes <input checked="" type="checkbox"/> No <i>If yes, for what length?</i> _____ <i>Are they introducing sediment to the aquatic feature?</i> _____ Yes    _____ No Does the rolling dip/waterbar need maintenance or reconstruction? _____ Yes <input checked="" type="checkbox"/> No <i>If yes, describe:</i> _____	<b>Comments:</b>  <div style="font-family: cursive; font-size: 1.2em;">All effective</div>
<b><i>Sediment basin</i></b> Is the basin effective at catching all sediment? <input checked="" type="checkbox"/> Yes    _____ No How full is basin with sediment? _____ empty <input checked="" type="checkbox"/> 25%    _____ 50% _____ 75%    _____ 100% Does the basin need to be emptied? _____ Yes <input checked="" type="checkbox"/> No Is additional work necessary for the sediment basin to function properly? _____ Yes <input checked="" type="checkbox"/> No <i>If yes, describe:</i> _____	<b>Comments</b>
<b><i>Gravel/rock placement</i></b> Has the gravel/rock remained in place? <input checked="" type="checkbox"/> Yes    _____ No Is there bare ground present where rock/gravel was placed? _____ Yes <input checked="" type="checkbox"/> No <i>If yes, how much?</i> _____ <10%    _____ 25%    _____ 50%    _____ >75% Is additional gravel/rock necessary? _____ Yes <input checked="" type="checkbox"/> No <i>If yes, describe:</i> _____	<b>Comments:</b>

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<p><b>Drivable ford</b></p> <p>At the time of the survey, is water present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Has any part of the hardened approach failed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, describe:</p> <p>Is sediment being introduced from the approaches at the crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, describe:</p>	<p><b>Comments</b></p> <p>Ford is not impacting natural stream dynamics</p>
<p><b>Trail re-route</b></p> <p>Is there evidence of erosion or sedimentation on or originating from the new trail segment? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, answer the following questions.</p> <p>What is the evidence of erosion or sedimentation?</p> <p><input type="checkbox"/> rill erosion <input type="checkbox"/> gully erosion <input type="checkbox"/> sheet erosion <input type="checkbox"/> rutting</p> <p><input type="checkbox"/> turbid water <input type="checkbox"/> sediment plume or accumulation</p> <p><input type="checkbox"/> change in substrate composition <input type="checkbox"/> other (describe)</p> <p>What are the sources of erosion or sedimentation? Check all that apply:</p> <p><input type="checkbox"/> trail surface <input type="checkbox"/> trail cut-slope <input type="checkbox"/> trail fill-slope</p> <p><input type="checkbox"/> unhardened crossing approach <input type="checkbox"/> poor trail location</p> <p><input type="checkbox"/> rolling dip, water bar, other drainage feature <input type="checkbox"/> inadequate soil cover</p> <p><input type="checkbox"/> insufficient number of water control features <input type="checkbox"/> improper grade</p> <p><input type="checkbox"/> improper construction of water control features <input type="checkbox"/> bare ground on trail</p> <p><input type="checkbox"/> other (describe):</p> <p>Is the erosion or sedimentation impacting an aquatic feature? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, what type of aquatic feature?</p> <p><input type="checkbox"/> stream <input type="checkbox"/> meadow <input type="checkbox"/> wetland <input type="checkbox"/> spring/seep <input type="checkbox"/> fen</p> <p><input type="checkbox"/> other aquatic feature (describe:)</p> <p>Describe impacts to aquatic feature:</p> <p>Describe any work necessary to fix erosion/sedimentation issues associated with the re-route:</p>	<p><b>Comments</b></p> <p>N/A</p>
<p><b>Other corrective action (describe):</b></p> <p>N/A</p>	<p><b>Comments</b></p>
<p><b>Has the corrective action resulted in negative impacts elsewhere?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, describe:</p>	

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Is there evidence of motorized use off of the trail? ☐ Yes ☒ No

If yes, describe:

\* trail not open to public At time of survey

Is there evidence of chemical or fuel spills? ☐ Yes ☒ No

If yes, describe:

Criteria for Rating Standard & Guideline 100 of the SNFPA

Does the road or trail intercept and divert surface and/or subsurface water from the aquatic feature such that the aquatic feature has decreased in size and/or wetness? ☐ Yes ☒ No If yes, describe in comments section below.

Has runoff from the road or trail eroded sediment into the aquatic feature such that the size and/or wetness of the aquatic feature has been reduced? ☐ Yes ☒ No If yes, describe in comments section below.

Has runoff from the road or trail caused a stream channel to downcut such that the water table has dropped and decreased the size and/or wetness of an aquatic feature? ☐ Yes ☒ No If yes, describe in comments section below.

Comments:

All corrective Actions Are functional  
& effective

Findings with Respect to Standard & Guideline 100

☒ Yes. S&G #100 is being met with regard to this trail and aquatic features.

☐ No. S&G #100 is NOT being met with regard to this trail and aquatic features.  
Must check yes to one or more of the questions above.

☐ I. Inconclusive. Field evidence not sufficient to determine if S&G 100 is being met.

**S&G 100:** Maintain and restore the hydrologic connectivity of streams, meadows, wetlands, and other special aquatic features by identifying roads and trails that intercept, divert, or disrupt natural surface and subsurface water flow paths. Implement corrective actions where necessary to restore connectivity.